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M.L.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael W. Heartlein et al. Art Unit : 1646
Serial No. : 09/753,385 Examiner : Unknown
Filed : January 3, 2001
Title : CHIMERIC PROTEINS FOR USE IN TRANSPORT OF A SELECTED SUBSTANCE INTO CELLS

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the claims:

~~Please cancel claims 1-42.~~

~~Please add new claims 43-51.~~

-- 43. A method of lowering the amount of an endogenous substance in an extracellular fluid of a subject, comprising administering to the subject a chimeric protein comprising a functional domain and a carrier domain, wherein

the functional domain comprises a ligand-binding domain of a first receptor, wherein the ligand-binding domain binds an endogenous substance;

the carrier domain comprises an amino acid sequence which binds a mammalian cell surface receptor other than the first receptor,

such that the chimeric protein binds to the endogenous substance in the extracellular fluid of the subject and to the cell surface receptor on the cell, whereupon the cell

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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